

-- WE CLAIM: --

CLAIM AMENDMENTS:

1 - 11 cancelled

12. (new) A device for determining a torque exerted on a shaft, the shaft having a first shaft section and a second shaft section, which can rotate relative to the first shaft section, the device comprising:

- a first multi-pole magnetic ring disposed to surround the first shaft section and to cooperate therewith;
- a stator holder mounted to the second shaft section;
- a first stator element mounted to said stator holder, said first stator element having first fingers which project outwardly in an axial or radial direction and which are distributed substantially uniformly about at least a portion of a periphery of said first stator element, said first fingers defining interposed first gaps, wherein said first fingers communicate with said first magnetic ring;
- a second stator element mounted to said stator holder, said second stator element having second fingers which project outwardly in an axial or radial direction and which are distributed substantially uniformly about at least a portion of a periphery of said second stator element, said second fingers defining interposed second gaps, wherein said second fingers communicate with said first magnetic ring;
- a second magnetic ring disposed on one of the first and the second shaft sections; and
- at least one magnetic sensor communicating with said second magnetic ring.

13. (new) The device of claim 12, wherein said second magnetic ring is a multi-pole magnetic ring.
14. (new) The device of claim 12, wherein said second magnetic ring comprises two magnetic tracks.
15. (new) The device of claim 14, wherein each said magnetic track communicates with said at least one magnetic sensor.
16. (new) The device of claim 12, further comprising one single board for receiving sensors communicating with said first and said stator elements and for receiving said at least one magnetic sensor communicating with said second magnetic ring.
17. (new) The device of claim 16, further comprising a housing in which said board is accommodated.
18. (new) The device of claim 16, wherein said stator holder comprises an outer toothing cooperating with a toothed wheel to form a translation gear.
19. (new) The device of claim 18, wherein said toothed wheel has at least one additional magnet.
20. (new) The device of claim 19, further comprising an additional magnetic sensor communicating with said additional magnet.
21. (new) The device of claim 19, wherein said additional magnetic sensor is disposed on said board.

22. (new) The device of claim 18, wherein an axis of said toothed wheel extends parallel or orthogonal to the shaft.